



## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

- (i) APPLICANT: McBride, William  
Dean, Richard T.
- (ii) TITLE OF INVENTION: Monoamine, Diamide, Thiol-containing Metal Chelating Agents
- (iii) NUMBER OF SEQUENCES: 9
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Banner & Allegretti, Ltd.
  - (B) STREET: 10 South Wacker Drive Suite 3000
  - (C) CITY: Chicago
  - (D) STATE: Illinois
  - (E) COUNTRY: USA
  - (F) ZIP: 60606
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 08/253,973
  - (B) FILING DATE: 03-JUN-1995
  - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Noonan, Kevin E
  - (B) REGISTRATION NUMBER: 35,303
  - (C) REFERENCE/DOCKET NUMBER: 91,875-J
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: 312 715 1000
  - (B) TELEFAX: 312 715 1234
  - (C) TELEX: 910-221-5317

## (2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 19 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
  - (A) NAME/KEY: Modified-site
  - (B) LOCATION: 19
  - (D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an amide"
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Gly Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
1 5 10 15

Tyr Leu Ile

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 19 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Gly Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
1 5 10 15

Tyr Leu Ile

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 6 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Gly Gly Cys Gly Leu Phe  
1 5

(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 19 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site  
(B) LOCATION: 19  
(D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Arg Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
1 5 10 15

Tyr Leu Ile

(2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Arg Gly Cys Gln Ala Pro Leu Tyr Lys Lys Ile Ile Lys Lys Leu  
1                   5                   10                   15

Leu Glu Ser

(2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 30 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 30
- (D) OTHER INFORMATION: /label= Amide
  - /note= "The carboxyl terminus is modified to an amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Arg Gly Cys Gly His Arg Pro Leu Asp Lys Lys Arg Glu Glu Ala Pro  
1                   5                   10                   15

Ser Leu Arg Pro Ala Pro Pro Pro Ile Ser Gly Gly Tyr Arg  
20                 25                   30

(2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 14 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 14
- (D) OTHER INFORMATION: /label= Amide
  - /note= "The carboxyl terminus is modified to an amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Gly Gly Cys Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met  
1                   5                   10

## (2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 13 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

- (ix) FEATURE:  
(A) NAME/KEY: Modified-site  
(B) LOCATION: 7  
(D) OTHER INFORMATION: /label= D-Phe  
/note= "The phenylalanine residue is in the D-  
stereochemical configuration"

- (ix) FEATURE:  
(A) NAME/KEY: Modified-site  
(B) LOCATION: 9  
(D) OTHER INFORMATION: /label= D-Trp  
/note= "The tryptophan residue is in the D-  
stereochemical configuration"

- (ix) FEATURE:  
(A) NAME/KEY: Modified-site  
(B) LOCATION: 13  
(D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an  
amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Ala Lys Cys Gly Gly Phe Tyr Trp Lys Thr Phe Thr  
1 5 10

## (2) INFORMATION FOR SEQ ID NO:9:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 8 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

- (ix) FEATURE:  
(A) NAME/KEY: Modified-site  
(B) LOCATION: 8  
(D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an  
amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Gly Gly Cys Phe Val Tyr Leu Ile  
1 5